

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1 – 11 (cancelled)

12. (New) A belt sander comprising:

a body element;

a driven roller arranged proximate said body element;

a non-driven roller arranged proximate said body element; and

a motor contained within said driven roller and operable to provide rotatable motion to said driven roller.

13. (New) The belt sander of claim 12, wherein said motor comprises an electric motor.

14. (New) The belt sander of claim 13, wherein said motor comprises an outer rotor drum and a stator, wherein said outer rotor drum defines an outer surface of said driven roller and is adapted to rotate around said stator during operation of the belt sander.

15. (New) The belt sander of claim 14, further comprising a casing arranged between said driven roller and said non-driven roller.

16. (New) The belt sander of claim 15, further comprising a belt supported by said driven roller and said non-driven roller.

17. (New) The belt sander of claim 16, wherein said casing is arranged within a boundary defined by said belt.

18. (New) The belt sander of claim 17, wherein said casing includes an adjustment mechanism cooperating with one of said driven and non-driven rollers, said adjustment mechanism adapted to change a distance between said driven and non-driven rollers.

19. (New) The belt sander of claim 17, wherein said casing comprises a power source capable of powering said motor.

20. (New) The belt sander of claim 19, wherein said power source includes one of a power module and an electric battery.

21. (New) The belt sander of claim 13, wherein said electric motor comprises a claw pole motor.

22. (New) A belt sander comprising:
a body element;
a non-driven roller arranged proximate said body element; and
an electric motor having a stator and a rotor drum, said rotor drum defining
a driven roller arranged proximate said body element, said electric motor operable to
provide rotatable motion of said rotor drum around said stator.

23. (New) The belt sander of claim 22, wherein said electric motor comprises
a claw pole motor.

24. (New) The belt sander of claim 23, wherein said stator comprises a
central shaft and at least one electrically independent claw pole stator element.

25. (New) The belt sander of claim 24, wherein said at least one electrically
independent claw pole stator element comprises:

a substantially circular first half-claw member having a first central element
and a first plurality of claws; and

a substantially circular second half-claw member having a second central
element and a second plurality of claws.

26. (New) The belt sander of claim 25, wherein said first and second half-
claw members are arranged in equi-angular intervals around respective perimeters of
said first and second half-claw members.

27. (New) The belt sander of claim 26, wherein said first and second central element are joined together whereby said first and second plurality of claws juxtapose each other.

28. (New) The belt sander of claim 27, wherein said claw pole motor includes a field coil disposed within a cylindrical space enclosed by said first and second half-claw members.

29. (New) A belt sander comprising:

- a body element;
- a non-driven roller arranged proximate said body element;
- an electric motor having a stator and a rotor drum, said rotor drum defining a driven roller arranged proximate said body element, said electric motor operable to provide rotatable motion of said rotor drum around said stator;
- a belt supported around said non-driven roller and said driven roller; and
- a casing arranged between said non-driven roller and said driven roller, said casing comprising an adjustment mechanism communicating with one of said non-driven roller and said driven roller, said adjustment mechanism operable to change a distance defined between said non-driven roller and said driven roller.

30. (New) The belt sander of claim 29, wherein said electric motor comprises a claw pole motor.

31. (New) The belt sander of claim 30, wherein said stator comprises a central shaft and at least one electrically independent claw pole stator element.

32. (New) The belt sander of claim 31, wherein said at least one electrically independent claw pole stator element comprises:

a substantially circular first half-claw member having a first central element and a first plurality of claws; and

a substantially circular second half-claw member having a second central element and a second plurality of claws.